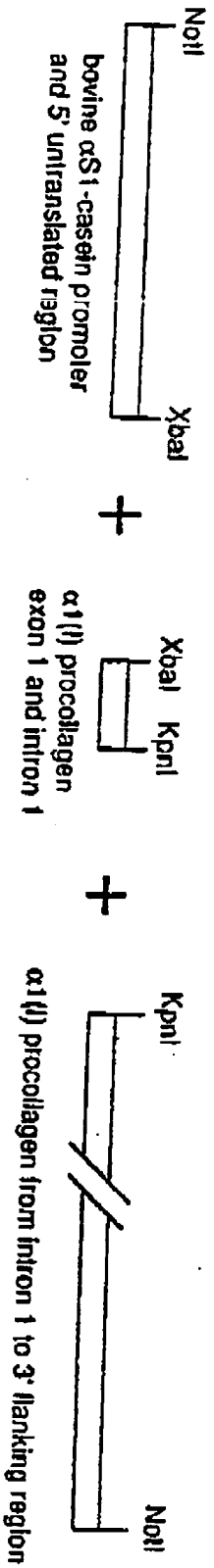

Figure 1A

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Figure 1B

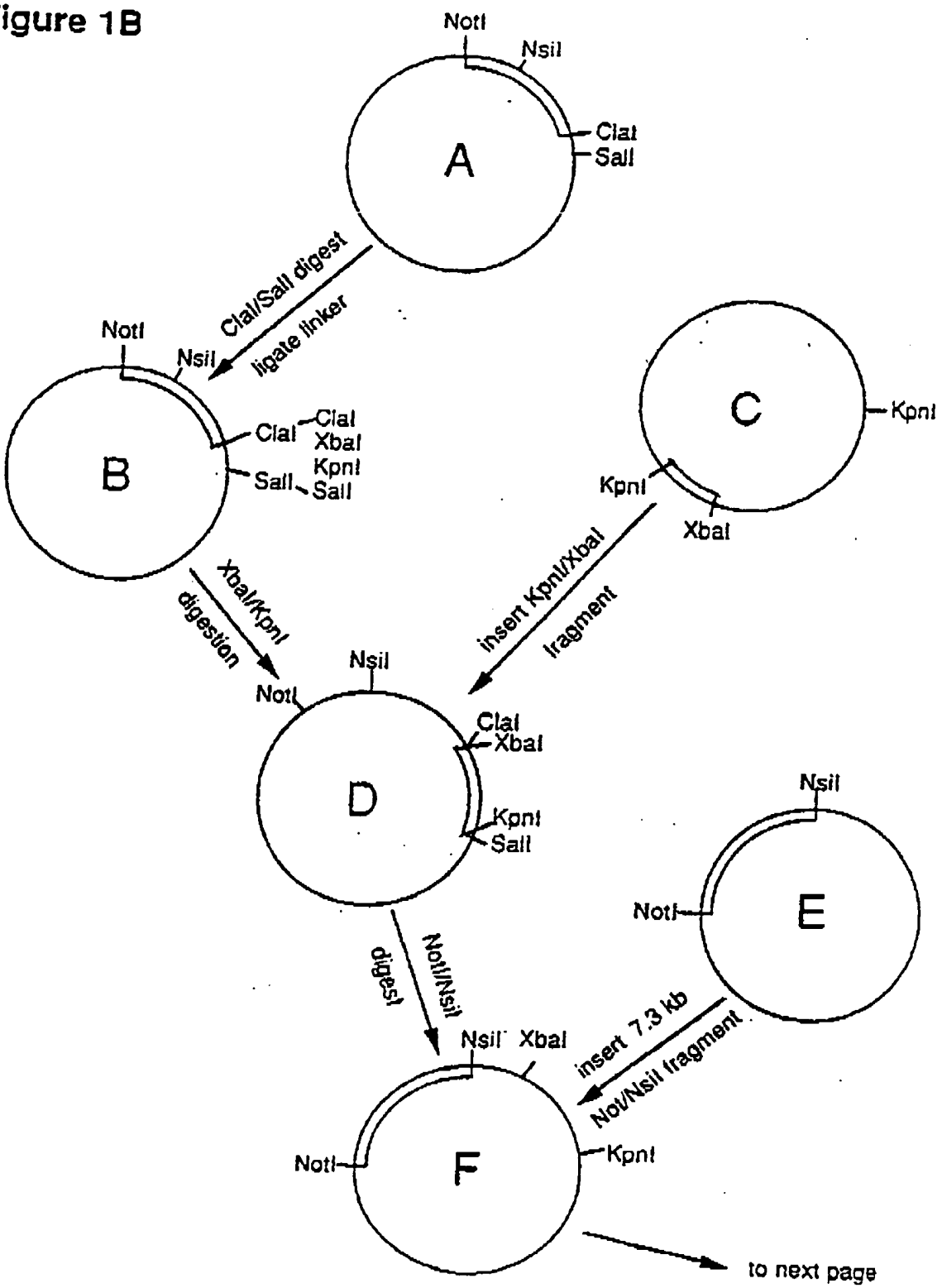

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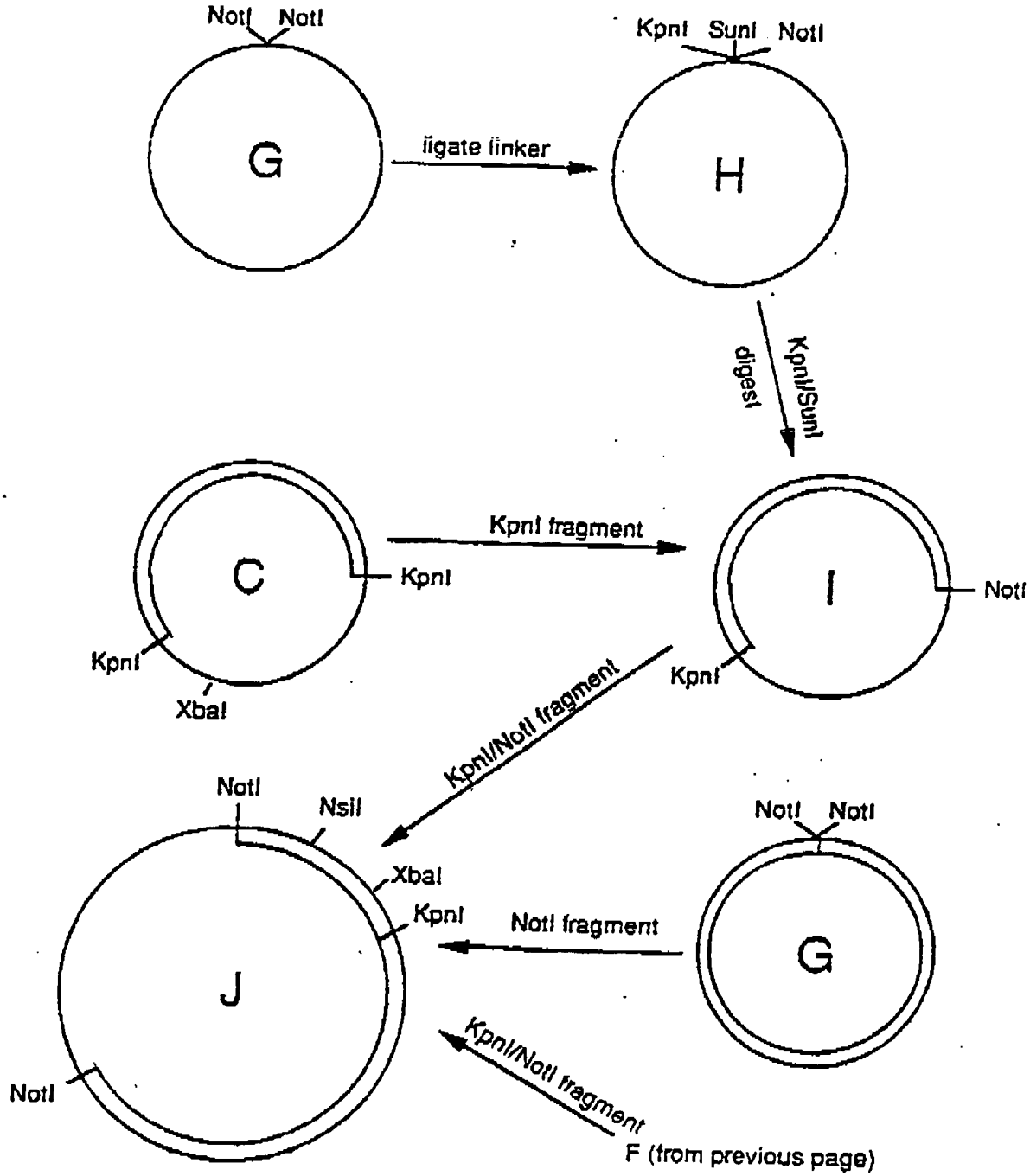
Figure 1B (cont)



bovine αS1 casein promoter operatively linked to human α1(I) procollagen

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Figure 1B legend - explaination of DNA constructions

A p(-680,CS) plasmid containing 680 bp of bovine αS1-casein promoter - obtained from Gene Pharming International

B p(-680,CS)+linker same as (A) but containing a synthetic linker with the restriction enzyme recognition sites for XbaI and KpnI between the ClaI and SalI sites; also includes a synthetic 5' untranslated region between the ClaI and XbaI sites

C CG103 cosmid containing human α1(I) procollagen gene obtained from Barsh, et. al.

D pCOL1600 construction containing 680 bp of bovine αS1-casein promoter (from A) operatively linked to 1600 bp of human α1(I) procollagen (from C)

E p(8kb,CS) plasmid containing 8 kb of bovine αS1-casein promoter - obtained from Gene Pharming International

F p8COL1600 same as (D) but with 8 kb of bovine αS1-casein promoter (from E)

G pWE15ΔCΔS cosmid vector - obtained from Gene Pharming International

H pWESUN same as (G) but with containing a linker with the restriction enzyme recognition sites for KpnI and SunI inserted into the NotI site; the 5' NotI site was destroyed, but the 3' NotI site was recreated

I intermediate cosmid vector containing the 3' region of the human α1(I) procollagen gene from (C) inserted into (H); the 3' KpnI site inserted into the SunI site destroyed the recognition sites for both enzymes

J p8gCOL(A1) cosmid vector (G) containing the bovine αS1-casein promoter operatively linked to the human α1(I) procollagen gene

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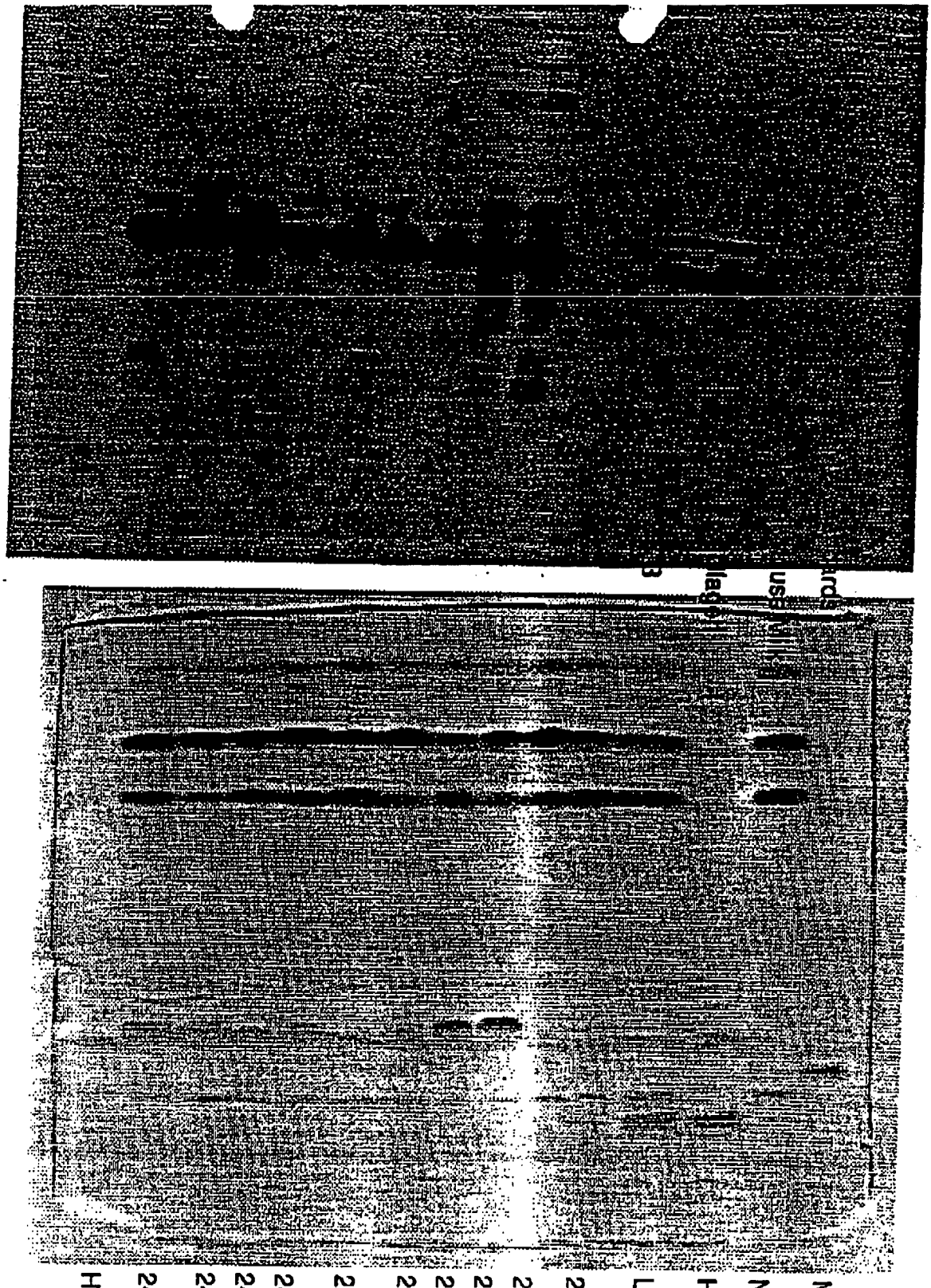

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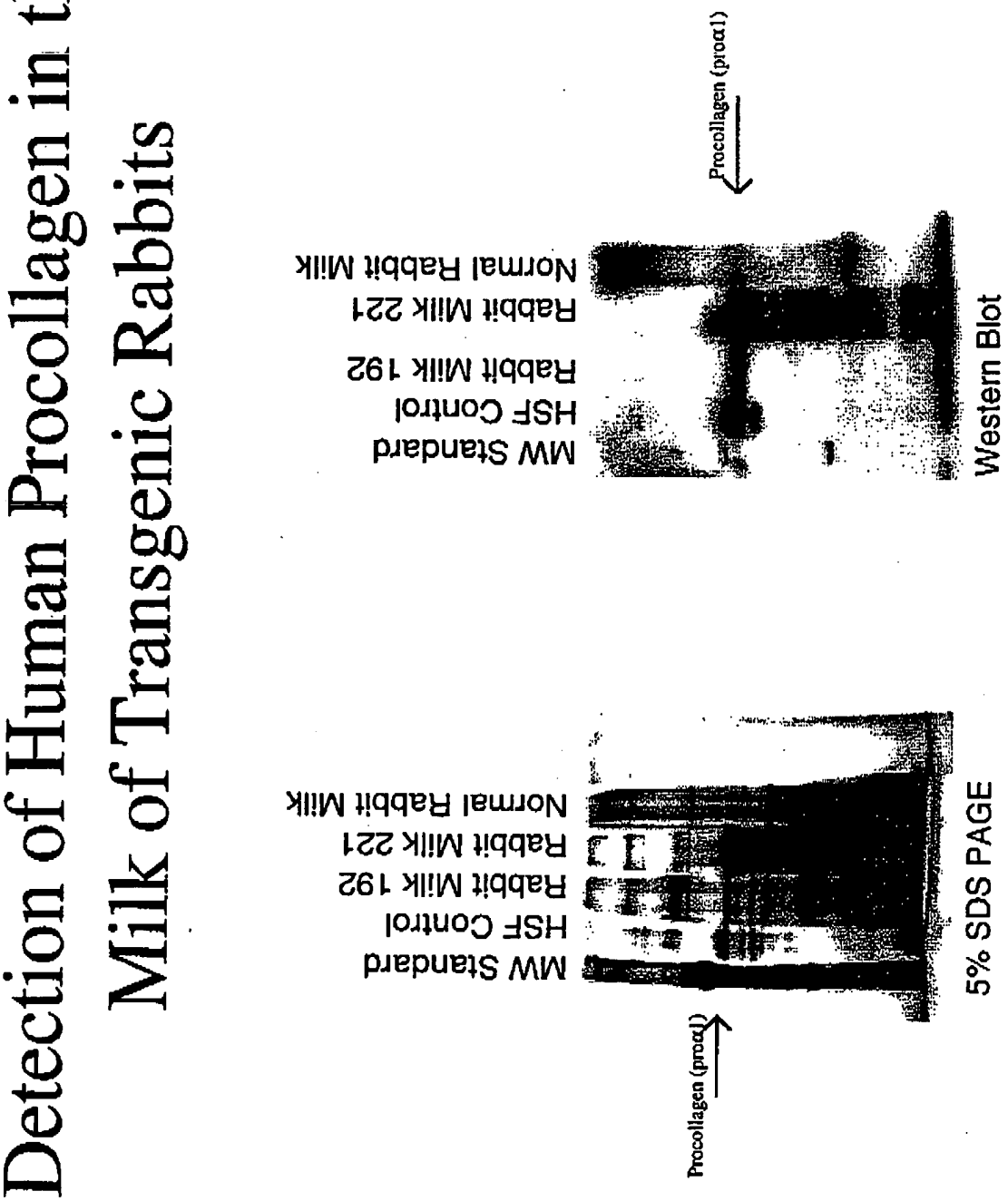
Detection of Human Procollagen in the Milk of Transgenic Rabbits



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